

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT

APPLICANT:

Hiatt, et al.

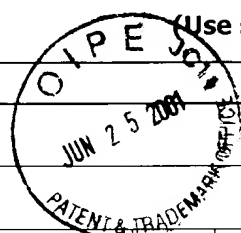
FILING DATE:

November 21, 2000

GROUP:

1649

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
A1	AA	4594244	6/86	Lehner, et al			
	AB	4607388	8/86	Koiyumaki, et al			
	AC	4652448	3/87	Sadowski			
	AD	4736866	4/88	Leder, et al			
	AE	4870009	9/89	Evans, et al			
	AF	4873191	10/89	Wagner, et al			
	AG	5034322	7/91	Rogers, et al			
	AH	5183756	2/93	Schlom			
	AI	5188642	2/93	Shah, et al			
	AJ	5349124	9/94	Fischloff, et al			
	AK	5352440	10/94	Gilchrest, et al			
	AL	5352446	10/94	Lehner			
↓	AM	5352605	10/94	Fraley, et al			

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TECH CENTER 1600-2900

## FOREIGN PATENT DOCUMENTS

EXAMINER		DOCUMENT NUMBER	DATE	COUNTRY	CLAS S	SUB CLASS	TRANSLAT
A1	AN	480014 B1		EP			
↓	AO	484 148 A1		EP			
↓	AP	0 371 017 B1		EP			

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ATTY. DOCKET NO.  
030905.02.CON2

SERIAL NO.  
09/717,888

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A)	AQ	87/00551	WO	
	AR	90/14430	WO	RECEIVED
	AS	91/06320	WO	JUN 28 2001
↓	AT	91/16061	WO	TECH CENTER 1600.2300

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

A)	AU	Huang, Ann L. et al., "Glucocorticoid Regulation of the Ha-MuSV p21 Gene Conferred by Sequences from Mouse Mammary Tumor Virus," Cell, 27:245-255 (1981).
	AV	Odell, Joan T. et al., "Identification of DNA sequences required for activity of the cauliflower mosaic virus 35S promoter," Nature, 313:810-812 (1985).
	AW	Ma, J. K-C. et al., "Assembly of monoclonal antibodies with IgG1 and IgA heavy chain domains in transgenic tobacco plants," Eur. J. Immunol. 24:131-138 (1994).
	AX	Neuhaus, G. et al., "Transgenic rapeseed plants obtained by the microinjection of DNA into microspore-derived embryoids," Theor. Appl. Genet., 75:30-36 (1987).
	AY	Abdullah, Ruslan et al., "Efficient Plant Regeneration from Rice Protoplasts Through Somatic Embryogenesis," Biotechnology, 4:1087-1090 (1986).
	AZ	Bakos et al. Expression and purification of biologically active domain I of the human polymeric immunoglobulin receptor. Molecular Immunology. vol. 31, No. 2, pp. 165-168, May 1994.
	BA	Banting, George et al., "Intracellular targetting signals of polymeric immunoglobulin receptors are highly conserved between species," FEBS Letters, 254:177-183 (1989).
↓	BB	Barnes, Wayne M., "Variable patterns of expression of luciferase in transgenic tobacco leaves," Proc. Natl. Acad. Sci. USA, 87:9183-9187 (1990).

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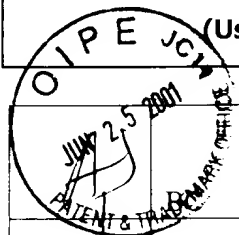
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	Benbrook, Charles M. et al., "Herbicide Resistance: Environmental and Economic Issues," in Proceedings Bio Expo 1986, Butterworth, Stoneham, MA, pp. 27-54 (1986).
BD	Benfey, Philip N. et al., "Regulated Genes in Transgenic Plants," Science, 244:174-181 (1989). Mostov, Keith E. et al., "The receptor for transepithelial transport of IgA and IgM contains multiple immunoglobulin-like domains," Nature, 308:37-43 (1984).
BE	Benfey, Philip N. et al., "The Cauliflower Mosaic Virus 35S Promotor: Combinatorial Regulation of Transcription in Plants," Science, 250:959-966 (1990).
BF	Brandtzaeg, P. & Prydz, H., "Direct evidence for an integrated function of J chain and secretory component in epithelial transport of immunoglobulins," Nature, 311:71-73 (1984).
BG	Bytebier, Benny et al., "T-DNA organization in tumor cultures and transgenic plants of the monocotyledon Asparagus officinalis," Proc. Natl. Acad. Sci. USA, 84:5345-5349 (1987).
BH	Callis, Judy et al., "Introns increase gene expression in cultured maize cells," Genes and Development, 1:1183-1200 (1987).
BI	Carayannopoulos, L. et al., "Recombinant human IgA expressed in insect cells," Proc. Natl. Acad. Sci. U.S.A., 91:8348-8352 (1994).
BJ	Corthesy, B. et al., "Biochemical Characterisation of Recombinant Secretory component," Experientia, 50:A27, Abstract S08-08 (1994).
BK	Crago et al., "Antisera to the secretory component recognize the murine Fc receptor for IgA," Journal of Immunology 142(11):3909-3912 (1989).
BL	de la Pena, A. et al., "Transgenic rye plants obtained by injecting DNA into young floral tillers," Nature, 325:274-276 (1987).
BM	During et al. Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum. Plant Molecular Biology 15: 281-293, 1990.
BN	During et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum," Plant Molecular Biology 15:281-293 (1990).

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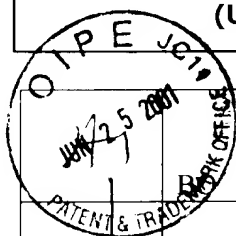
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Fraley, Robert T. et al., "Expression of bacterial genes in plant cells," Proc. Natl. Acad. Sci. U.S.A., 80:4803-4807 (1983).

BQ

Fromm, Michael E. et al., "Stable transformation of maize after gene transfer by electroporation," Nature, 319:791-793 (1986).

BR

Hein, Mich B. et al., "Evaluation of Immunoglobulins from Plant Cells," Biotechnol. Prog., 7:455-461 (1991).

BS

Hess, Dieter, "Pollen-Based Technigues in Genetic Manipulation," International Review of Cytology, 107:367-395 (1987).

BT

Hiatt et al., "Characterization and Applications of Antibodies Produced in Plants," Intern. Rev. Immunol. 10: 139-152 (1993).

BU

Hiatt, A. and M. Hein, "Structure, Function and Uses of Anitbodies from Transgenic Plants and Animals," The Pharmacology of Monoclonal Antibodies, Chapter 12, pp. 317-330, M. Rosenberg and G.P. Moore eds., Springer-Verlag, Berlin (1994).

BV

Hiatt, A. et al., "Monoclonal antibody engineering in plants," FEBS Letters, 307(1):71-75 (1992).

BW

Hiatt, Andrew, "Production of antibodies in transgenic plants," Nature, 342:76-78 (1989).

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Horsch, R. B. et al., "A Simple and General Method for Transferring Genes into Plants," Science, 227:1229-1231 (1985).

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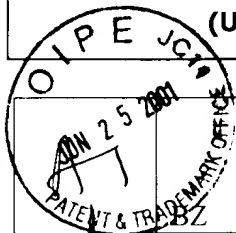
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Huse, William D. et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," Science, 246:1275-1281 (1989).

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Jorgensen, Richard et al., "T-DNA is organized predominantly in inverted repeat structures in plants transformed with Agrobacterium tumefaciens C58 derivatives," Mol. Gen. Genet., 207:471-477 (1987).

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Klein, T. M. et al., "High-velocity microprojectiles from delivering nucleic acids into living cells," Nature, 327:70-73 (1987)

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Kraehenbuhl, Jean-Pierre et al., "Transepithelial transport and mucosal defence II: secretion of IgA," Trends in Cell Biol., 2:170-174 (1992).

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Krajci, Peter et al., "Molecular cloning and exon-intron mapping of the gene encoding human transmembrane secretory component (the poly-Ig receptor)," Eur. J. Immunol., 22:2309-2315 (1992).

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Krajci, Peter et al., "Molecular cloning of the human transmembrane secretory component (poly-Ig receptor) and its mRNA expression in human tissues," Biochem. Biophys. Res. Comm., 158:783-789 (1989).

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Larrick, J. W. and R. Balint, "Recombinant Therapeutic Human Monoclonal Antibodies," The Pharmacology of Monoclonal Antibodies, Chapter 2, pp. 23-48, M. Rosenberg and G.P. Moore eds., Springer-Verlag, Berlin (1994)

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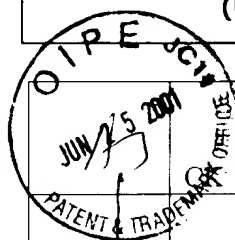
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CR

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McCabe, Dennis E. et al., "Stable transformation of soybean (*glycine max*) by particle acceleration," *Biotechnology*, 6:923-926 (1988).

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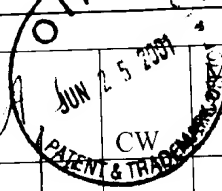
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	McNabb, Paul C. et al., "Host Defense Mechanisms at Mucosal Surfaces," Ann. Rev. Microbiol., 45:477-496 (1981).
CX	Mostov, Keith A., "Transepithelial transport of immunoglobulins," Ann. Rev. Immunol., 12:63-84 (1994).
CY	Orlandi, Rosaria et al., "Cloning immunoglobulin variable domains for expression by the polymerase chain reaction," Proc. Natl. Acad. Sci. U.S.A., 86:3833-3837 (1989).
CZ	Paszkowski, Jerzy et al., "Direct gene transfer to plants," The EMBO Journal, 3:2717-2722 (1989).
DA	Piskurich, J. F. et al., "Molecular Cloning of Mouse Polymeric Ig Receptor cDNA," J. Immunol., 150:38, Abstract 203 (1993).
DB	Potrykus, Ingo et al., "Direct gene transfer to cells of a graminaceous monocot," Mol. Gen. Genet., 199:183-188 (1985).
DC	Rogers, S. G. et al., "Improved Vectors for Plant Transformation: Expression Cassette Vectors and New Selectable Markers," Methods in Enzymology, 153:253-277 (1987). Cocking and Davey, "Gene Transfer in Cereals," Science, 236:1259-1262 (1987).
DD	Silbart, Lawrence K. et al., "Reduction of Intestinal Carcinogen Absorption by Carcinogen-Specific Secretory Immunity," Science, 243:1462-1464 (1989).
DE	Smith, Roberta and T. Lehner, "Characterisation of monoclonal antibodies to common protein epitopes on the cell surface of Streptococcus mutans and Streptococcus sobrinus," Oral Microbiol. Immunol., 4:153-158 (1989).
DF	Solari et al., "Cellular location of the cleavage event of the polymeric immunoglobulin receptor and fate of its anchoring domain in the rat hepatocyte," Biochemical Journal 257:759-768 (1989).
DG	Spielmann, Albert et al., "T-DNA structure in transgenic tobacco plants with multiple independent integration sites," Mol. Gen. Genet., 205:34-41 (1986).
DH	Toriyama, Kinya et al., "Haploid and diploid plant regeneration from protoplasts of anther callus in rice," Theor. Appl. Genet., 73:16-19 (1986).

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AS	DI	Uchimiya, Hirofumi et al., "Expression of a foreign gene in callus derived from DNA-treated protoplasts of rice ( <i>Oryza sativa</i> L.)," Mol. Gen. Genet., 204:204-207 (1986).
O I P E JUN 25 2001 PATENT & TRADEMARK OFFICE	DI	Vasil. Indra K., "Progress in the regeneration and genetic manipulation of cereal crops," Biotechnology, 6:397-402 (1988).
	DK	Verbeet et al., GenBank Accession No. X81371.
	DL	Williams, Alan F. et al., "The Immunoglobulin Superfamily" Immunoglobulin Genes, Chap. 19, pp. 361-387, Academic Press (Honjo, Alt and Rabbits, Eds. 1989).
↓	DM	Zhou, Guang-Yu et al., "Introduction of Exogenous DNA into Cotton Embryos," Methods in Enzymology, 101:433-481 (1983).

EXAMINER:

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